



Improving Drainage Water Quality in the Middle Fork Crow River Watershed



Clean Water Funds: 2012

Clean Water Grant	\$43,505
Leveraged Funds*	\$16,779
Total Project Budget	\$60,284

* Leveraged Funds include required 25% local match

Target Water:

Middle Fork Crow River watershed and Diamond Lake watershed

Project Sponsor:

Middle Fork Crow River Watershed District

Grant Period:

January 2012—December 2013

Project Contact:

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C12-12 - Conservation Drainage

Project Narrative

The Crow River is known to be one of the highest nutrient loading watersheds in the Upper Mississippi River Basin. Years of water quality monitoring confirm a variety of water quality issues in drainage ditches. These include high nutrient loading and delivery of high levels of suspended solids to downstream receiving waters such as Diamond Lake which is negatively impacted for elevated phosphorus levels.



The proposed project is the result of several years of relationship building between the Watershed District, Kandiyohi County and the Diamond Lake Area Recreation Association. The goal of this project is to install more than 500 linear feet of woodchip bioreactors and 5 rock inlets. The project also includes effectiveness monitoring and the development and delivery of an agricultural conservation practices tour to promote project results.

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Proposed Outcomes:

Project Outputs:

Woodchip bioreactor installation - Diamond Lake watershed
Rock inlet installation - Diamond Lake watershed
Agricultural BMP Tour - Middle Fork Crow River watershed
Effectiveness Monitoring - Diamond Lake watershed

Proposed Reductions:

144 lbs/year Nitrogen
17 lbs/year Phosphorus
1 tons/year Sediment

Actual Outcomes:

Project in Progress

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